



Material Safety Data Sheet - OSHA 174

Materials Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

US Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form) Form Approved OMB No. 1218-0072

H.M.I.S. RATING

Health 1

Flammability 2

Reactivity 1

Protective Equip. B

Last Rev Date: 11/15/2004

HE201 - FIBER ASPHALT ROOF COAT

Section I

Manufacturer's Name HENRY COMPANY	Emergency Telephone 800-486-1278	Telephone 800-486-1278
Address HENRY COMPANY 2911 Slauson Ave HUNTINGTON PARK, CA 90255	Primary Contact Technical Services NFPA 704	Email techservices@henry.com Preparer's Signature _____

Section II Hazardous Ingredients / Identity Information

Hazardous Component	CAS#	OSHA PEL	AGGIH TL	Other Limits	Percent
Asphalt	8052.42.4	10 ppm	5 mg/m3	15 ppm TWA-STEL	
Calcium Metasilicate (NYG,WOL)	13983.17.0	N/A	10mg/m3		
Petroleum Solvent (Mineral Spirits)	8052.41.3	2950 mg/m3	100 ppm		
Water	7732.18.5	N/A	N/A		

Comments: There are no S.A.R.A. 313 ingredients in this material in excess of De minimus amounts. "Asphalt may contain detectable amounts of chemicals known to the State of California to cause cancer or reproductive harm."

Section III Physical / Chemical Characteristics

Boiling Point 310-400 F	Melting Point N/A	Max VOC (g/l) 250
Vapor Pressure (mm Hg) 2@ 68F	Evaporation Rate (Butyl Acetate=1) <1	Max VOS (lbs/gal) 2.08
Vapor Density (Air=1) >1	Weight Per Gallon 8.4	% Water Volume 0
Color Black	Solubility in Water Not soluble	% Water Weight 0
Odor Strong petroleum solvent	Appearance Black fluid	% Volatile 37.9
Specific Gravity 1.01	PH N/A	

Section IV Fire and Explosion Hazard Data

Flash Point Method	Flash Point Temperature	LEL Flammable Limit	UEL Flammable Limit
SETA	105°F	0.9	6.0

Extinguishing Media

Foam, CO2, Dry Chemical, Water Fog, Spray (Water), Sand, Earth

Fire Fighting Procedures

Firemen should wear MSHA/NIOSH approved self-contained apparatus to protect against inhalation of combustion products.

Additional Procedures

During emergency conditions, overexposure to decomposition products may cause a health hazard. Keep containers tightly closed when not in use.

Unusual Fire and Explosion Hazards

Do not mix store with strong oxidants like liquid chlorine or oxygen. Keep containers tightly closed. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

Section V Reactivity Data

Stability	Conditions to Avoid
Material is Stable	N/A
Incompatibility (Materials to Avoid)	Hazardous Decompositions or Byproducts
Strong Oxidants	Fumes, Smoke, CO2, Carbon Monoxide if combustion is incomplete
Hazardous Polymerization	Conditions to Avoid
May Not Occur	Contact with moisture

Section VI Health Hazard Data

Routes of Entry:

If in Eyes

Symptoms

- Eye irritation.
- Burning of eyes.

Emergency and First Aid Procedures

- Flush gently with large amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. Get immediate medical attention.

If Ingested

Symptoms

- Gastrointestinal irritation.
- Nausea, vomiting, diarrhea.

Emergency and First Aid Procedures

- Do not induce vomiting. Call doctor immediately.

If Inhaled

Symptoms

- Dizziness, headaches, even unconsciousness or death.

Emergency and First Aid Procedures

- Remove from vapor immediately and if breathing is difficult, administer oxygen.
- If overcome, call physician.
- If breathing has stopped or is irregular, start resuscitation or administer oxygen, as needed.

If on Skin

Symptoms

- Moderate irritation.
- Defatting.
- Dermatitis.

Emergency and First Aid Procedures

- Remove contaminated clothes and wash with a waterless handcleaner or soap and water.

Section VII Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled:

Remove sources of ignition. Keep people away. Recover free liquid. Add absorbent sand, earth, sawdust, etc to spill area. Avoid breathing vapors. Ventilate confined spaces. Open all windows and doors. Keep products out of sewers and watercourses.

Waste Disposal Method:

Assure conformity with applicable Local, State, and Federal disposal regulations.

Precautions for Handling and Storage:

Do not store near open flame or high heat sources.

Other Precautions:

Avoid breathing vapors. Avoid prolonged or repeated contact with skin. Remove contaminated clothing and launder before reuse. Remove contaminated shoes and thoroughly dry before reuse. Wash skin thoroughly with soap and water after contact.

Section VIII Control Measures

Ventilation

Local Exhaust

Face velocity 60 fpm

Mechanical (General)

N/A

Special Ventilation

Use only with adequate ventilation

Other

N/A

Protective Equipment Required

Respirator

Use with adequate ventilation.

Gloves

Rubber gloves

Goggles

Splash goggles or face shield

Clothing

Other clothing to avoid repeated skin contact

Work Hygienic Practices

Practice good work hygiene

Section IX Special Precautions for Safe Handling and Storage

Precautions for Handling and Storage

KEEP AWAY FROM SOURCES OF IGNITION

Other Precautions

Close air intakes on roof until solvent odor dissipates.

Section X Transportation Data

Non-Bulk	Not Regulated (Combustible liquid Non-Bulk, but see IATA for shipping by AIR)
Bulk	Combustible liquid, n.o.s., (Petroleum Distillates), Combustible liquid, NA1993, III
or Bulk	Elevated temperature liquid, n.o.s., (Asphalt), 9, UN3257, III
Note	If bulk departs below its flash point then NA1993; but if it is at or above flash point, then UN3256.

Flammable liquid, n.o.s., (Petroleum Distillates), 3, UN1993, III

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State Addendum

Ingredient	CAS Number	Notes
Petroleum Solvent (Mineral Spirits)	8052.41.3	A Pennsylvania Hazardous Substance List material
Petroleum Solvent (Mineral Spirits)	8052.41.3	A Florida Toxic Substances List material
Petroleum Solvent (Mineral Spirits)	8052.41.3	A Massachusetts Hazardous Substance List material
Petroleum Solvent (Mineral Spirits)	8052.41.3	A Minnesota Hazardous Substance List material
Petroleum Solvent (Mineral Spirits)	8052.41.3	A Washington State Permissible Exposure for Air Contaminants material
Asphalt	8052.42.4	A Washington State Permissible Exposure for Air Contaminants material
Asphalt	8052.42.4	A Florida Toxic Substances List material
Asphalt	8052.42.4	A Massachusetts Hazardous Substance List material
Asphalt	8052.42.4	A Minnesota Hazardous Substance List material
Asphalt	8052.42.4	A Pennsylvania Hazardous Substance List material
Asphalt	8052.42.4	Asphalt may contain detectable amounts of chemicals known to the State of California to cause cancer or reproductive harm.